



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No. .... 10/050,348  
Filing Date ..... January 15, 2002  
Inventor ..... Gurtej S. Sandhu  
Assignee ..... Micron Technology, Inc.  
Group Art Unit ..... 2813  
Examiner ..... Laura M. Schillinger  
Attorney's Docket No. .... MI22-1898  
Title: Transistor Structures.

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

References –See Attached Form PTO-1449

The Examiner's attention is directed to the references which are listed on the attached Form PTO-1449, copies of which are attached. No admission is made regarding whether all the submitted references are prior art.

Citation of the referenced art is respectfully requested.

This Supplemental Information Disclosure Statement is being filed after the filing of the Request for Continued Examination (RCE) Application and before receipt of the first Office Action. Therefore, no fee is believed to be required. However, in the event that a fee is required for filing this Supplemental Information Disclosure Statement, please charge the fee specified under 37 C.F.R. §1.17(p) to Deposit Account No. 23-0925.

Respectfully submitted,

Dated:

*January 4, 2006*

By:

*Jennifer J. Taylor*  
Jennifer J. Taylor, Ph.D.  
Reg. No. 48,711

Form PTO-1449

ATTY. DOCKET NO.  
MI22-1898SERIAL NO.  
10/050,348U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEAPPLICANT  
Gurtej S. SandhuLIST OF ART CITED BY APPLICANT  
(Use several sheets if necessary)FILING DATE  
January 15, 2002GROUP  
2813

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	3,627,598	12-1971	McDonald et al.			
	AB	4,254,161	03-1981	Kemlage			
	AC	4,262,631	04-1981	Kubacki			
	AD	4,435,447	03-1984	Ito et al.			
	AE	4,882,649	11-1989	Chen et al.			
	AF	4,891,684	01-1990	Nishioka et al.			
	AG	4,980,307	12-1990	Ito et al.			
	AH	4,996,081	02-1991	Ellul et al.			
	AI	5,051,794	09-1991	Mori			
	AJ	5,142,438	08-1992	Reinberg et al.			

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AK	EP 0886308 A2	12-1998	EPO				
	AL	237243 a	04-2001	Japan				
	AM							

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

	AN	Wolf, Stanley, Silicon Processing for the VLSI Era (1995), V.3, 648-9
	AO	Laughery et al., Effect of H <sub>2</sub> Content on Reliability of ...
	AP	
EXAMINER	DATE CONSIDERED	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

ATTY. DOCKET NO.  
MI22-1898SERIAL NO.  
10/050,348U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEAPPLICANT  
Gurtej S. SandhuLIST OF ART CITED BY APPLICANT  
(Use several sheets if necessary)FILING DATE  
January 15, 2002GROUP  
2813

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
AA	5,227,651	07-1993	Kim et al.			
AB	5,237,188	08-1993	Iwai et al.			
AC	5,324,679	06-1994	Kim et al.			
AD	5,330,936	07-1994	Ishitani			
AE	5,350,707	09-1994	Ko et al.			
AF	5,376,593	12-1994	Sandhu et al.			
AG	5,393,702	02-1995	Yang et al.			
AH	5,397,748	03-1995	Watanabe et al.			
AI	5,398,641	03-1995	Shih			
AJ	5,459,105	10-1995	Matsuura			
AK	5,969,397	10-1999	Grider, III et al.			
AL	6,040,249	03-2000	Holloway			

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
AM							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

AN	
EXAMINER	DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

ATTY. DOCKET NO.  
MI22-1898SERIAL NO.  
10/050,348U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEAPPLICANT  
Gurtej S. Sandhu

## LIST OF ART CITED BY APPLICANT

(Use several sheets if necessary)

FILING DATE  
January 15, 2002GROUP  
2813

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	5,498,890	03/96	Kim et al.			
	AB	5,504,029	04/96	Murata et al.			
	AC	5,508,542	04/96	Geiss et al.			
	AD	5,523,596	06/96	Ohi et al.			
	AE	5,731,235	03/98	Srinivasan et al.			
	AF	5,821,142	10/98	Sung et al.			
	AG	5,844,771	12/98	Graettinger et al.			
	AH	5,851,603	12/98	Tsai et al.			
	AI	5,882,978	03/99	Srinivasan et al.			
	AJ	6,001,741	12/99	Alers			
	AK	6,087,236	07-2000	Chau et al.			
	AL	6,245,616 B1	06-2001	Buchanan et al.			
	AM	6,150,226	11-2000	Reinberg			

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AN							

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
EXAMINER	DATE CONSIDERED	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EV633201580

Form PTO-1449

ATTY. DOCKET NO.  
M122-1898SERIAL NO.  
10/050,348U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEAPPLICANT  
Gurtej S. SandhuFILING DATE  
January 15, 2002GROUP  
2813LIST OF ART CITED BY APPLICANT  
(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	6,001,748	12/99	Tanaka			
	AB	6,008,104	12/99	Schrems			
	AC	6,051,865	04/00	Gardner et al.			
	AD	6,063,713	06/00	Doan			
	AE	6,077,754	06/00	Srinivasan et al.			
	AF	6,096,597	08/00	Tsu et al.			
	AG	6,111,744	08/00	Doan			
	AH	6,168,980	01/01	Yamazaki et al.			
	AI	6,207,985 B1	03/01	Walker			
	AJ	6,323,138 B1	11/01	Doan			

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AK							
	AL							
	AM							

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

	AN	
	AO	
	AP	
EXAMINER	DATE CONSIDERED	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EV633201580

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
MI22-1898SERIAL NO.  
10/050,348APPLICANT  
Gurtej S. SandhuFILING DATE  
January 15, 2002GROUP  
2813LIST OF ART CITED BY APPLICANT  
(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
AA	6,348,420 B1	02/02	Raaijmakers et al.			
AB	6,265,327	07/01	Kobayashi et al.			
AC	6,350,707 B1	02/02	Liu et al.			
AD	6,723,599 B2	04/04	Eppich et al.			
AE	6,893,981 B2	05/05	Park et al.			
AF	09/653,281	08/00	Beaman et al.			
AG	2001/0036752	11/01	DeBoer et al.			
AH	2002/0009861	08/98	Narwankar et al.			
AI	2002/0052124	05/02	Raaijmakers et al.			
AJ	2003/0034518A1	02/03	Yoshikawa			

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
AK							
AL							
AM							

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

AN	
AO	
AP	
EXAMINER	DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



01-06-06

TFW 2813

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number 10/050,348

Filing Date January 15, 2002

First Named Inventor Gurtej S. Sandhu

Art Unit 2813

Examiner Name Laura M. Schillinger

Attorney Docket Number MI22-1898

**ENCLOSURES (Check all that apply)**

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Fee Transmittal Form                             | <input type="checkbox"/> Drawing(s)                                       | <input type="checkbox"/> After Allowance Communication to TC                            |
| <input type="checkbox"/> Fee Attached                                     | <input type="checkbox"/> Licensing-related Papers                         | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences     |
| <input type="checkbox"/> Amendment/Reply                                  | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final                                      | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information  |
| <input type="checkbox"/> Affidavits/declaration(s)                        | <input type="checkbox"/> Power of Attorney, Revocation                    | <input type="checkbox"/> Status Letter  |
| <input type="checkbox"/> Extension of Time Request                        | <input type="checkbox"/> Change of Correspondence Address                 | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):         |
| <input type="checkbox"/> Express Abandonment Request                      | <input type="checkbox"/> Terminal Disclaimer                              | Return Receipt Postcard   |
| <input checked="" type="checkbox"/> Information Disclosure Statement      | <input type="checkbox"/> Request for Refund                               |   |
| <input type="checkbox"/> Certified Copy of Priority Document(s)           | <input type="checkbox"/> CD, Number of CD(s) _____                        |   |
| <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application   | <input type="checkbox"/> Landscape Table on CD                            |   |
| <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 |   |   |

Remarks

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	Wells St. John P.S.		
Signature			
Printed name	Jennifer J. Taylor, Ph.D.		
Date	January 4, 2006	Reg. No.	48,711

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

EV633201580